

The ability of the company to execute satisfactorily any orders for electric light, can be inferred from the fact that they have now in successful operation nearly seven hundred dynamo-electric machines among the largest manufacturers in this country and in Europe.

Figs. 2 and 3 represent lamps with ground glass globes, seen below, and which contain the carbons, the lower one being fixed to the bottom and the upper one suspended from the conducting rod, which is capable of sliding downward, but this down-sliding motion is arrested and regulated by a small clamp, worked by an electro-magnet, situated in the cylinder seen in Fig. 2, and its interior arrangement in Fig. 3; Fig. 4 shows the revolving armature, placed inside Fig. 1. The little electro-magnet in Fig. 3 is charged by the current; when its magnetism becomes too strong by a too close proximity of the two carbon electrodes, its attraction closes the clamp and draws the rod upward, separating the carbons. When the current, by this separation, suffers resistance enough to become weaker and cause the electro-magnet to relieve the armature by diminished attraction, it allows, by relieving the clamp, the rod to slide down and bring the carbons closer together. This simple device works so well that we have watched the light for hours and did not notice any perceptible change in it.

We advise parties desiring the use of electric light, before ordering a machine, to communicate to the manufacturers full particulars in regard to the buildings and localities to be lighted, to give, for instance, the size of the rooms or areas, the amount of power disposable, where it is located, etc. They can be sure that the manufacturers, the Weston Dynamo-Electric Machine Co., of 286 Washington street, Newark, N.J., will without delay give all particulars as to cost of machines, etc.

WESTON'S ELECTRIC LIGHT GENERATOR.

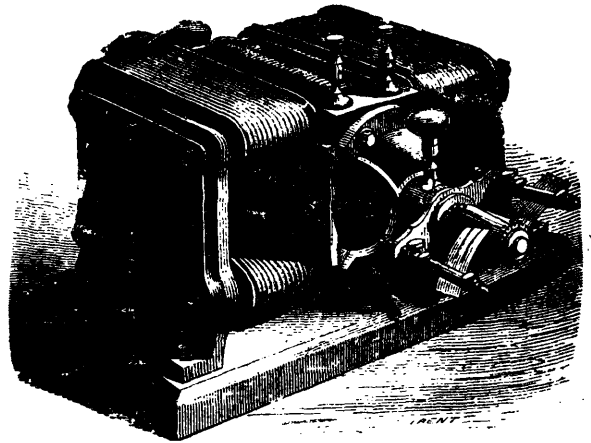


FIG. 1.—THE LIGHT GENERATOR.

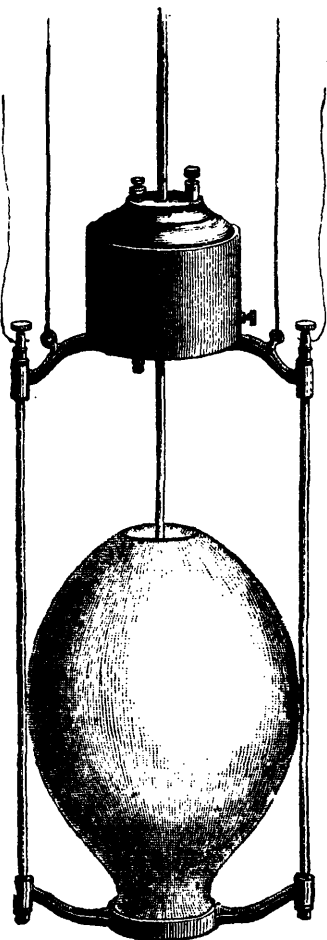


FIG. 2.—THE ELECTRIC LAMP.

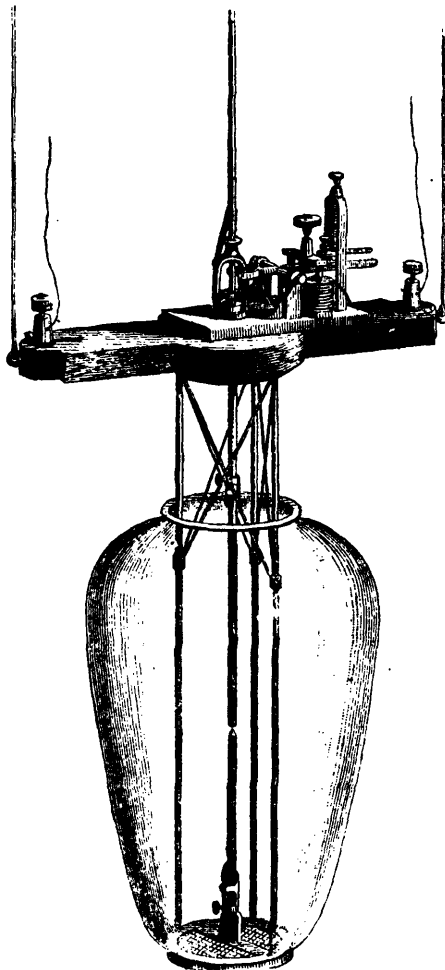


FIG. 3.—DETAILS OF THE ELECTRIC LAMP. ARMATURE OF LIGHT GENERATOR.

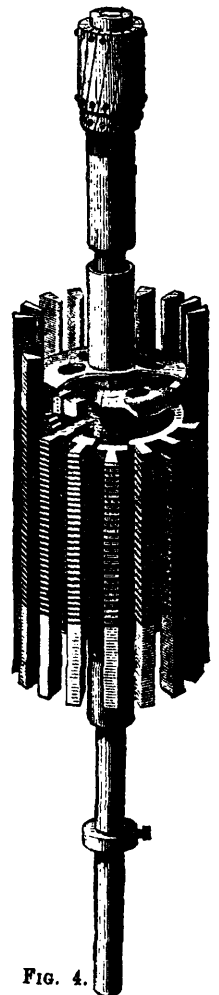


FIG. 4.